

| Parameter                               | Unit      | Configuration 1  |
|-----------------------------------------|-----------|------------------|
| Winding method                          | Delta / Y | Y                |
| Rated voltage                           | V         | 24               |
| Driver board model                      | /         | /                |
| Voltage Range                           | V         | 12~40            |
| Rated Power                             | W         | 40.8             |
| Rated torque                            | N.M       | 3.12             |
| Peak torque                             | N.M       | 8.01             |
| Rated Speed after reduction             | RPM       | 55               |
| Max Speed after reduction               | RPM       | 97               |
| Rated current                           | A         | 1.7              |
| Peak current                            | A         | 4.54             |
| Phase-to-phase resistance               | ohm       | 4.466            |
| Phase-to-phase inductance               | mH        | 0.454            |
| Speed constant                          | rpm/v     | 4.04166666666667 |
| Torque constant                         | N.M/A     | 2                |
| Number of pole pairs                    | Pairs     | 11               |
| Gear ratio                              | /         | 36:1             |
| Gear type                               | /         | Planetary        |
| Reducer gear material                   | /         | ALU              |
| Reducer gear backlash                   | arcmin    | 15               |
| Motor weight without driver             | g         | 165.3            |
| Motor weight with driver                | g         | 177              |
| Size without Driver                     | mm        | Dia. 45 x 40.3   |
| Size with Driver                        | mm        | Dia. 45 x 44.1   |
| Max. axial load                         | N         | 75               |
| Max. radial load                        | N         | 300              |
| Noise                                   | dB        | <60              |
| Communication                           | /         | CAN&485          |
| Second encoder on output shaft          | /         | YES              |
| Protection grade                        | /         | IP54             |
| Working temperature                     | deg C     | -20~+80          |
| Resolution of the encoder on the driver | Bit       | 14bit            |
| Can support separate encoder or not     | /         | YES              |
| Can support custom brakes               | /         | YES              |